



ULINK AGRITECH PRIVATE LIMITED
MATERIAL SAFETY DATA SHEET : NPK 0: 0: 50 (SOP)

1: IDENTIFICATION

Chemical Name	Potassium Sulphate	Trade Name NPK 0: 0: 50 (SOP)
Synonyms	Sulphur of Potash	
Uses	Water Soluble Fertilizer	Molecular Formula K ₂ SO ₄
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra	
Emergency Contact	9503095030	E-mail info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Potassium Sulphate	7778-80-5	-

3: HAZARD IDENTIFICATION

Classification of the substance or mixture (Regulation (EC) No 1272/2008): Not classified.

Label elements (Regulation (EC) No 1272/2008): No labelling applicable

Other hazards: Does not meet the criteria for classification as PBT or vPvB.

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move person to fresh air and keep warm and at rest in a position comfortable for breathing. Immediately seek medical attention if symptoms are severe or persist.

Ingestion: Rinse mouth with water thoroughly and give water to drink. Never give anything by mouth to an unconscious person. Seek medical attention immediately and show this container or label.

Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes. Seek medical attention.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, alcohol-resistant foam, dry chemical powder or carbon dioxide

Unsuitable Extinguishing Media: Strong water jet

Specific Hazard: Product decomposition may release toxic fumes - Sulphur oxides.

Hazardous Thermal (de)composition: Toxic fumes may be released

Special Procedures: Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool with water spray.

Approach fire from upwind to avoid hazardous vapours and toxic decomposition products. Dike area to prevent water runoff.

Protection of Fire Fighters: Do not breathe a fumes. Approach fire from up wind. Wear a self contained breathing apparatus and complete protective clothes.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Use personal protective equipment including suitable protective clothing, gloves and eye or face protection. Evacuate personnel to safe areas.

Environmental Precaution: Keep out of all water bodies (water supplies, lakes, ponds, streams, rivers).

Methods for Cleaning-up: Use appropriate tools to place the spilled material into a suitable container for intended use, recycling, or disposal. In case of large spill, prevent additional the discharge of material if safe to do so. Prevent entry into sewers, watercourses, or wells. Notify downstream water users. Avoid dust formation. Dispose of waste in accordance with official regulations.

7: HANDLING & STORAGE

Handling: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety procedures. Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Good personal hygiene procedures must be practiced.

Storage: Store in dry, cool and well-ventilated area. Keep in original container and tightly closed when not in use. Keep out of reach of children. Keep away from food, drink and animal feedingstuffs. Use normal safety procedure and good personal hygiene.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material (Type FFP1 in accordance with EN 143).

Skin Protection: Wear suitable protective working clothing (with elasticated cuffs and closed neck) to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: In dusty condition, use safety glasses with side shields or goggles for eyes protection should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Crystalline powder. Powder. Pellet

Colour: Colourless; White

Odour: Odourless

Solubility in Water: 108 g/L **pH:** 7 -9 (100g/L @ 20 °C)

Density [g/cm3]: 2.662

Bulk Density [kg/m3]: 1200 -1600

Melting Point [°C]: 1067

Physical State: Solid

Decomposition Temperature [°C]: >700

Boiling Point [°C]: 1689

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Hazardous Decom. Products: On exposure to high temperature, may decompose, releasing toxic fumes - Sulphur oxides.

Material to Avoid: No data available

Hazardous Reactions: No data available

Corrosivity: No data available

Conditions to Avoid: No data available

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified

Rat oral LD50 [mg/kg] : > 2000

Rat inhalation LC50 [mg/l/4h] : > 0.0036

Skin irritation (rabbit): Not classified

Dermal (rat) LD50 [mg/kg]: 6600

Skin Sensitization (Guinea Pig): Not classified

Eye irritation (rabbit): Not classified

12: ECOLOGICAL INFORMATION

Pimephales promelas LC50 (96 hrs) [mg/L]: 680

Daphnids magna EC50(48h) [mg/l]: 720

Algae ErC50(72h) [mg/L]: >100

Persistence and Degradability: Not applicable

Results of PBT and vPvB assessment: Does not meet criteria

Bioaccumulative Potential: Not applicable

Mobility in Soil: Not applicable

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only according to the label or in compliance with government requirements or local regulations. Do not contaminate drains, streams, rivers or waterways with the chemical or used container.

Contaminated Packaging: Empty remaining contents and the rinse containers before disposal thrice. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14: TRANSPORT INFORMATION

Land transport (ADR/RID): Not a dangerous substance as defined in the transport regulations

Air transport (IATA/ICAO): Not classified as dangerous in the meaning of transport regulations

Sea transport (IMO/IMDG): Not classified as dangerous in the meaning of transport regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU-Regulations: No REACH Annex XVII restrictions

Contains no REACH candidate substance

National regulations: No additional information available.

Chemical Safety Assessment: No additional information available

16: OTHER INFORMATION

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